

CLAIMS

1. Round honeycomb rotor applicable to all types of aircraft, motorized elevating pumps transporting liquids, mud, granules, cereals or gases, outboard motors and all types of vessels, ventilators, hoovers or compressors, whose MAIN CHARACTERISTIC is to have helical pieces (3) starting on the nucleus (1) and mounted on one or several concentric tubular cylinders (2) successively shaping helical trapezoids which are fitted one on top of the other giving the whole thing a round honeycomb shape. These concentric tubular cylinders (2) totally close down the outer perimeters whenever the above mentioned helical pieces (3) are incorporated.

2. Round honeycomb rotor in complete accordance with the above mentioned claim, whose MAIN CHARACTERISTIC is that the helical trapezoids (3) can have any geometrical shape such as tubular round, oval or three or more sizes polygons. Depending on the number of sides, they will be lined up or not between their following concentric tubular cylinders (2) except for the one with largest diameter that will have a conical tubular main extension (4) fitted in.

3. Round honeycomb rotor in complete accordance with the first claim whose MAIN CHARACTERISTIC is that it can have one, two or more concentric tubular cylinders (2) with four or more helical pieces (3) in its smallest diameter and variable progression in its following concentric tubular cylinders. The overall surface of helical pieces will be twice or more times the overall frontal surface of the rotor.

4. Round honeycomb rotor according to preceding claims whose MAIN CHARACTERISTIC is that the rotor width will be 2% wider or over than the outer diameter of the largest concentric tubular cylinder (2).